

ABSTRACT

This hot rolled steel sheet for processing includes: in terms of percent by mass, C of 0.01 to 0.2%; Si of 0.01 to 0.3%; Mn of 0.1 to 1.5%; P of $\leq 0.1\%$; S of $\leq 0.03\%$; Al of 0.001 to 0.1%; N of $\leq 0.006\%$; and as a remainder, Fe and unavoidable impurities, wherein the microstructure includes a main phase in the form of polygonal ferrite and a hard second phase, a volume fraction of the hard second phase is 3 to 20%, a hardness ratio (hardness of the hard second phase / hardness of the polygonal ferrite) is 1.5 to 6, and a grain size ratio (grain size of the polygonal ferrite / grain size of the hard second phase) is 1.5 or more.